

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 - 24. (Canceled)

25. (Previously presented) A method for selecting ~~determining~~ treatments for a cancer patient, comprising:

collecting genomic DNA from the patient;

amplifying the HLA DQB1\* (Major histocompatibility complex, class II, DQ beta 1) gene from the genomic DNA using an automated PCR thermal sequencer;

~~determining what~~ identifying the amino acids are encoded by at positions 57 and 67 of the amino acid sequence encoded by the HLA DQB1\* (Major histocompatibility complex, class II, DQ beta 1) gene of the patient; ~~and~~

determining anti-cancer immunotherapy after cancer resection to have a statistically significant probability of prolonging the cancer patient's survival, ~~when by determining that~~ Asp is ~~encoded~~ at position 57 and Val is ~~encoded~~ at position 67 of the amino acid sequence encoded by the HLA DQB1\* (Major histocompatibility complex, class II, DQ beta 1) gene; and

selecting anti-cancer immunotherapy after cancer resection, as a treatment for the patient;

wherein the cancer of the patient ~~comprises~~ is stomach cancer.

26-28. Canceled.